DJ MIXERS

Soundcraft Registered Community Trade Mark/RTM No. 000557827

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This equipment complies with the EMC Directive 89/336/EEC

Part No: ZL0632

H A Harman International Company

THE AUTHENTIC SOUND OF DANCE MUSIC

The original Urei 1620 rotary fader DJ mixer set 1970s dancefloors alight with its fat bottom end, smooth midrange and ultra-sweet highs. Considered by many to be the best-sounding DJ mixer of all time, Urei remains to this day THE authentic sound of dance music.

And now it's back.

After careful consideration, highly respected mixing technology specialist Soundcraft has re-created the 1620 for the 21st Century. Remaining faithful to every detail of the original design, a limited edition of new 1620LEs enables a new generation of DJs to enjoy the unique sound, feel and facilities of this legendary mixer.

At the same time, two new digital mixers – the 1601 and 1601S – combine the unmistakable Urei sound with the features demanded by modern turntablists to deliver sonic and creative possibilities that the pioneering DJs of previous decades could never have imagined.

And that other mixer manufacturers can only dream about.

1620: THE LEGEND IS REBORN

When was the last time you worked with a DJ mixer that truly inspired you? A mixer that actually made dance music sound the way you always knew it could?

The Urei 1620 was born in a golden age when great sound really mattered, and where an uncluttered, intuitive control surface freed up the DJ to really connect with both the music and the dancefloor. The new, limited edition 1620LE holds true to all those Urei traditions, using the same circuit designs and components as the original to deliver the fat, smooth and detailed sound that no other DJ mixer has ever come close to.

With six channels and flexible routing, the 1620LE has more than enough connectivity to handle sophisticated system configurations or installations. And when the dancefloor is packed, you'll love the instant, spontaneous and intuitive feel of the 1620LE's controls.

One look at the feature set will tell you that the 1620LE is all about the music. Classic rotary level & balance controls, great source flexibility, separate House and Booth outputs, a beautifully elegant headphone section and true balanced connections put performance where it really counts.

And we've ensured that today's 1620LE continues Urei's hard-earned tradition for reliability. Ruggedly engineered and manufactured to exacting tolerances, this mixer will keep you working, night after night, in the most demanding of environments.

Welcome to the new Urei 1620LE. The legend is reborn.

KEY FEATURES

- Six stereo channels with legendary Urei sound quality
- Individual L/R balance control on every channel
- Authentic and responsive rotary faders on all channels
- Channels 1 and 2 feature RCA phono inputs, allowing the easy integration of twin decks
- Auxes 1, 2 and 3 feature line level preamps, for direct connection of external sources
- Optional preamp cards allow Auxes 1-4 to carry Mic, Line or Phono level inputs
- Aux 4 carries a dedicated mic preamp, allowing instant connection of an external microphone
- Five extra aux inputs (A-E) can each be routed to auxes 1 to 4, giving unrivalled user flexibility
- Master Booth and House outputs, each with a dedicated level control
- Master mono House output
- Master bass and treble controls give +/-10dB of sweetening on all main outputs
- Sophisticated headphone section can be fed from any of the six channels, or the main program output
- Front panel illuminated headphone socket with dedicated level control
- Dual stereo recording outputs
- Master send-and-return FX loop
- Internal engineer set-up controls
- Durable construction for total reliability
- 3U 19" rack mounting format

1620: TECHNICAL

CHANNEL INPUTS

Phono 1 & 2: Stereo RCA phono inputs for direct turntable connection.
Auxes 1 - 3: Stereo RCA inputs for connection of line level sources such as CD, MP-3, tape etc. Optional preamp cards for Phono/Mic level connections.
Aux 4: Balanced XLR input for connection of mic level source. Optional preamp cards for Phono/Line level connections.

AUXES

Auxes A - E: Stereo RCA inputs for connection of external line level sources. These can be routed to any of the Aux inputs 1-4 (channels 3-6), allowing an extra level of input flexibility.

BOOTH OUTPUT

Stereo output, supplied on both isolated balanced XLR and unbalanced RCA connectors. Controlled by the master Booth level setting.

HOUSE OUTPUT

Stereo output, supplied on both balanced XLR and unbalanced RCA phono connectors. Controlled by the master House level setting.
For lighting controllers, a mono summed House output is also provided on unbalanced jack, and is independent of the Master house level control.

TAPE OUTS

For recording purposes, two stereo tape outs are supplied on unbalanced RCA connectors.

FX LOOP

A stereo FX loop is provided on unbalanced RCA connectors, in a 'Send & Return' format. This allows an external FX device to be patched into the main House & Booth signal paths.

HEADPHONE OUTPUT

Accessed via the front panel, the illuminated headphone output is supplied on a 1/4" stereo jack.

POWER SUPPLY

The high quality internal power supply is an integral part of the 1620LE's sound.
An IEC power inlet is provided, along with a mains voltage selector switch - meaning that wherever you travel, your 1620LE can go with you.

TECHNICAL SPECIFICATION

FREQUENCY RESPONSE

Headphone Output ..... 20Hz-20kHz (+/-1.5dB)
All Other Outputs ..... 20Hz-20kHz (+0/-1dB)

TOTAL HARMONIC DISTORTION

Balanced House Output ..... <0.1%, 30Hz-20kHz, +20dBu, 10k Ohms
Unbalanced House Output .. <0.05%, 20Hz-20kHz, +20dBu, 10k Ohms
Booth Output ..... <0.05%, 20Hz-20kHz, +20dBu, 10k Ohms
Tape & FX Loop Outputs .... <0.05%, 20Hz-20kHz, +20dBu, 10k Ohms
Headphone Output ..... <0.3%, 20Hz-20kHz, +20dBu, 200 Ohm load

IMPEDANCES (INPUT AND OUTPUT)

Phono 1&2 Input ..... 47k Ohms
Microphone Input ..... Optimised for 150 Ohm sources
Aux Input ..... 10k Ohm nominal
FX Loop Input ..... 10k Ohms
Balanced House Output ..... <50 Ohms
Unbalanced House Output ..... 75 Ohms
Booth Output ..... 75 Ohms
Headphone Output ..... <50 Ohms
Mono Output ..... 5k Ohms
Tape & FX Loop Outputs ..... 75 Ohms

MAXIMUM OUTPUT LEVELS

Balanced House Output ..... +25dBu into 600 Ohms
Unbalanced House Output ..... +20dBu into 600 Ohms
Booth Output ..... +22dBu into 10k Ohms
Mono Output ..... +14dBu into 5k Ohms
Tape & FX Loop Outputs ..... +22dBu into 10k Ohms

POWER SUPPLY

Selectable 100-125/200-250V AC, 50/60Hz. Consumption 20W max.

DIMENSIONS/WEIGHT

133(H)x483(W)x203(D)mm / 5.25(H)x19(W)x8(D) inches 6kg/13.2lbs

1601/1601S: THE FUTURE

A lot has changed in dance music since the original Urei 1620 was launched back in the 70s. That's why we've developed two new digital mixers that bring the Urei sound bang up to date for the latest generation of performance-orientated DJs.

Both the 1601 and 1601S models embody all the core values of the 1620 – great sound, logical and intuitive layout and real bulletproof durability.

Of course you get two channels with tough, longlife faders, sweet and smooth 3 band EQ and super-responsive LED metering. But that's just the start. Check out the brilliant Aux/FX section with its flexible routing options, the built-in Exciter with frequency and mix controls and the easy-to-access front panel headphone monitoring facilities.

If you're into breaks or drum'n'bass then you'll love the onboard sampling features of the 1601S – a fully spec'd 2 bank 32 beat sampler packed with record and playback possibilities.

Then there's the classic Urei attention to detail that's so vital when you're up in the booth working that dancefloor. An open, uncluttered battle area around the main faders, an anodised top panel that means the legending won't fade away, and beautifully tactile controls that'll respond to your every move.

Introducing the 1601 and 1601S. Welcome to the future of DJ mixing.

(Pictured here is the 1601S, which offers identical spec and features to the 1601 – but with the added power of an onboard sampler)

KEY FEATURES

- Two stereo channels with both phono and line level input, trim control and input clip LED
- 3 band EQ (Low, Mid, Hi) on both channels providing full cut through to +6dB boost
- Separate mic/line input with dedicated insert point and 2 band EQ
- Input fader slope control and reverse facility
- Comprehensive Aux/FX section with separate send/return levels and select options
- Dedicated Booth and House outputs, provided on both balanced XLR and unbalanced RCA phono connectors
- Mono/stereo switching on both Booth and Master outs
- Send-and-return FX loop
- 80Hz HPF for removing turntable rumble
- 10 segment input/output metering with peak hold
- Exciter section with frequency and mix controls
- High quality 45mm user-replaceable crossfader with reverse and rotary curve control
- 25mm user-replaceable monitor crossfader
- Flexible headphone monitoring section, with level, EQ and master/cue switching
- Session In & Out facility allow daisy chaining of mixers

SAMPLER SECTION (1601S ONLY)

- 2 bank 32 beat facility with 24bit/96kHz performance
- Playback assignable to both channels
- Write from Cue, Channels 1/2 or Master
- 1-shot, loop and reverse playback modes
- 25mm faders to control level and trigger playback
- BPM lock indicator and backlit sample buttons
- Footswitch option controls both sample banks

Urei

1601/1601S: TECHNICAL

CHANNEL INPUTS

Stereo line and phono inputs are provided on unbalanced RCA phono connectors. A front panel mic/line input is supplied via a balanced XLR/jack combi connector, while a separate stereo line input is also available via rear panel unbalanced RCA phono connectors.

An unbalanced insert point on 1/4" jack allows an external FX processor to be patched into the mic/line signal path.

BOOTH OUTPUT

The Booth output is provided on both balanced XLR and unbalanced RCA phono connectors, and is controlled by the master Booth level control. A 'Mic Defeat' switch mutes the signal from the mic to the booth output to avoid feedback.

MASTER OUTPUT

The Master output is provided on both balanced XLR and unbalanced RCA phono connectors, and is controlled by the Master level control.

FX LOOP

The send-and-return FX loop is supplied on unbalanced RCA phono connectors, and works in conjunction with the top panel Aux/FX level and routing controls.

PHONES SECTION

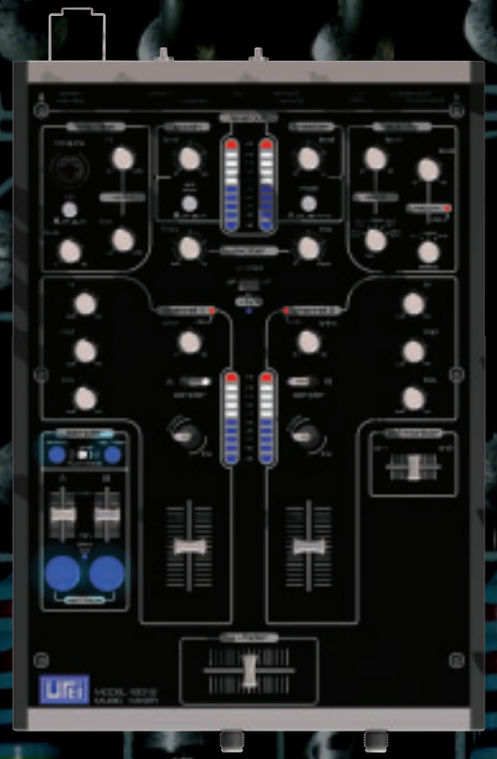
The front panel illuminated headphone output is supplied on both 1/4" jack and mini-jack connectors for total flexibility.

POWER SUPPLY

The high quality internal PSU is fed via an IEC mains inlet, allowing a detachable mains cable to be used. A cable retaining clip provides total cable security.

SAMPLER FOOTSWITCH FACILITY (1601S ONLY)

Both sample banks can be triggered via external footswitches, connected to the 1601S via the supplied 1/4" jack sockets.



TECHNICAL SPECIFICATION

FREQUENCY RESPONSE

CD/Line ..... 20Hz-20kHz (+/-0.5dB)
Phono ..... 20Hz-20kHz (+/-1.5dB/RIAA)
Mic [Line] ..... 20Hz-20kHz (+/-2dB) [20Hz-20kHz (+/-0.5dB)]
Aux/FX Return ..... 20Hz-20kHz (+/-0.5dB)

SIGNAL/NOISE RATIO

CD/Line 90dB
Phono 75dB
Mic [Line] ..... 70dB [90dB]
Aux/FX Return 90dB

TOTAL HARMONIC DISTORTION/CROSSTALK

THD ..... <0.02%
Crosstalk 80dB

AUDIO INPUTS (LEVEL/IMPEDANCE)

CD/Line ..... -12dBu/22k Ohms
Phono ..... -52dBu/47k Ohms
Mic[Line] ..... -52dBu/3k Ohms [-12dBu/22k Ohms]
Aux/FX Return ..... -12dBu/22k Ohms

AUDIO OUTPUTS (LEVEL/IMPEDANCE)

Master (Balanced) ..... +2dBu/600 Ohms
Master (Unbalanced) ..... +2dBu/1k Ohms
Booth Monitor, Mic Insert, FX Send ..... +2dBu/1k Ohms
Headphones ..... -2dBu/22 Ohms

DIGITAL AUDIO (SAMPLE/CONVERSION RATES)

96kHz/24bit

POWER SUPPLY

Internal universal voltage switched mode supply

DIMENSIONS/WEIGHT

395(H)x280(W)x90(D)mm / 15.5(H)x11(W)x3.5(D) inches 4kg/8.8lbs